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## 1947 Negro Marion County Extension Service Report

Clemson University Cooperative Extension Service

George Dean

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# ANNUAL REPORT

## COUNTY AGENT WORK

*MARION*

County

SOUTH CAROLINA

1947

*GEORGE W. DEAN*

Negro Agricultural Agent

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF AGRICULTURAL AGENTS WORK

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MARION COUNTY, SOUTH CAROLINA

1947

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GEORGE W. DEAN  
NEGRO AGRICULTURAL AGENT

Cooperative Extension Work in Agriculture and Home Economics

Clemson Agricultural College and the

United States Department of

Agriculture Cooperating

Extension Service

D. W. Watkins, Director

Clemson, South Carolina



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# SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

## GENERAL ACTIVITIES

Days Agent Spent in Office -----	94
Days Agent Spent in Field -----	210
Days Agent Worked -----	304
Miles Agent Traveled -----	14,980
Farm Visits -----	708
Different Farms Visited -----	194
Office Calls at Agent's Office -----	1039
Telephone Calls at Agent's Office -----	309
Meetings Held of Attended -----	308
Number Communities in Which Work was Conducted -----	16
Number Farmers Conducting Demonstrations -----	64
Number Voluntary Community Leaders Assisted with Extension Program -----	54

## PROJECT ACTIVITIES AND RESULTS

### Agricultural Economics

One County-wide Outlook Meeting was attended by the Agent and 29 Negro farmers, five Community Outlook Meetings were held with an attendance of 204 farmers and Clubsters. Seven farmers assisted with General Farm Records all of whom were F.S.A. buyers. The Agent cooperated with Farm Credit Agencies in securing a loan of \$522.78 for beef steers, and hogs and presented borrowers and buyers to Production Credit Association and Farm Security.

### Agricultural Engineering

A total of 22 acres of permanent pasture was established or improved with 750 pounds of phosphate, 4450 pounds of complete fertilizer, 25 tons of lime, assisted seven farmers with farm plans, held six Community Meetings with an attendance of 98 farmers and clubsters. Assisted 94 farmers in one or more of the following: improved home grounds, constructing dwellings, re-modeling dwellings, installing water systems, provided needed storage space, obtaining electricity, constructing farm buildings, select farm equipment and remodel farm building.



### Agronomy

10 corn demonstrations completed, yielding 63.3 bushels per acre. Five oat production demonstrations completed yielding 57.7 bushels per acre at a cost of \$21.29 per acre. Six lespedeza for hay demonstrations conducted showing an average production of 2.1 tons per acre. Four farmers conducted two (2) to five (5) cotton demonstrations producing an average of 675 pounds of lint per acre. Placed 3546 pounds or bushels of seed with 89 farmers and 110,000 sweet potato plants with 38 farmers.

### Animal Husbandry

Placed four (4) Grade Boars, 17 Grade Giltts with farmers in the county. Completed three hog feeding demonstrations with an average daily gain of one (1) pound per hog. Held five meat cutting, two curing, two storing and four canning demonstrations. Placed two (2) pure bred beef bulls and one (1) grade bull with three farmers of the county. Placed nine (9) pure-bred heifers and three (3) grade heifers with two farmers of the county. Placed twenty (20) beef steers with 4-H boys and girls.

### Dairying

Placed one purebred dairy bull and two grade bulls with three farmers of the County.

### Entomology and Plant Pathology

County-wide campaign through educational work was put on to control boll-weevil and information was given at four county meetings. Assisted farmers and 4-H Clubsters with control of cattle louse and grubs. Followed the usual practice of keeping farmers informed as to the control of insect in truck crops, gardens, and orchards.

### Four-H Club Work

13 County Clubs organized with 309 members, 177 of which completed demonstrations producing farm products with a value of \$13,736.50 and realizing a profit of \$6,106.88. Two 4-H Camps attended with 48 boys, girls and leaders attending.

### Horticulture

Horticulture work in the county consisted of two circular letters on sweet potatoes, 3 circular letters on gardens, and 12 Farmer's Meetings. Two (2) method demonstrations were held in harvesting, grading and packing sweet potatoes. 1200 fruit trees were placed with 27 farmers, nine (9) pruning and ten (10)

ten (10) spraying demonstrations were given in seven communities.

#### Marketing

Farmers were aided in marketing farm products to the value of \$7384.45 and in cooperative buying of supplies to a value of \$6401.40.

#### Poultry

Assistance was given in securing baby chicks and demonstrations given in vaccination and culling.

#### Visual Instruction

Visual Instruction work consisted in use of posters and charts at 12 meetings with an attendance of 311 farmers and clubsters.

#### Publicity

A total of 943 personal letters written, 27 circular letters prepared with 2887 copies mailed. Twenty-two (22) press articles published, 468 bulletins distributed, two County Farm Tours conducted with an attendance of 31 farmers.



I. County, Community and Neighborhood Organization of Volunteer Farm and Home Leaders:

1. County Agricultural Committee:

- a. The County Agricultural Committee is chosen from local adult club members to serve their communities in whatever way they can. They are selected and appointed on the basis of their willingness to act and serve; being judged by the menters of their local farm club and the County Agent.

b. COUNTY AGRICULTURAL COMMITTEE

NAME	ADDRESS
Joe Washington -----	Rt. 1 Marion, S. C.
James Conner -----	Rt. 1 Marion, S. C.
Liston Foxwerth -----	Rt. 2 Marion, S. C.
Loney Smith -----	Rt. 2 Mullins, S. C.
D. T. Taylor -----	Rt. 1 Gresham, S. C.
A. J. Godbolt -----	Rt. 2 Gresham, S. C.
E. C. Fore -----	Rt. 2 Latta, S. C.
Ben Stevenson -----	Rt. 3 Marion, S. C.
Norman General -----	Rt. 1 Marion, S. C.
James King -----	Rt. 1 Marion, S. C.
Walker Finklea -----	Rt. 3 Marion, S. C.
Wm. Livingston -----	Rt. 1 Marion, S. C.
Gary Gause -----	Rt. 1 Nichols, S. C.
Wm. Gause -----	Rt. 1 Nichols, S. C.
J. R. Smith -----	Rt. 1 Mullins, S. C.
Claude Carmicheal -----	Rt. 1 Mullins, S. C.
Chatman Cooper -----	Rt. 1 Sellers, S. C.
T. C. Brigman -----	Rt. 2 Mullins, S. C.
Robert Crawford -----	Rt. 1 Mullins, S. C.

COUNTY EXECUTIVE COMMITTEE FOR 1948

NAME	ADDRESS
L. R. Stevenson -----	Rt. 3 Marion, S. C.
E. C. Fore -----	Rt. 1 Latta, S. C.
Norman General -----	Rt. Marion, S. C.
J. H. Berry -----	Rt. 2 Mullins, S. C.
J. R. Donnerlly -----	Rt. 1 Marion, S. C.
Marion McGaney -----	Rt. 1 Mullins, S. C.
J. R. Smith Rt. -----	Rt. 1 Mullins, S. C.



c. Duties and Responsibilities of Committees:

The duties and responsibilities of these committees are to help the Agent formulate a long time agricultural program, set up goals in the way of demonstrations and other activities to be used in helping to solve the agricultural problems of the county. These members give their support to the Extension Program in the county by giving information, conducting demonstrations themselves and participating in community activities affecting agriculture and the farm home.

2. Community Agricultural Committee and Neighborhood Leaders:

a. ORGANIZED COMMUNITIES	NEIGHBORHOOD	VOLUNTARY LEADERS
Todd -----	Smith Swamp -----	7
Gresham -----	St. Paul -----	2
Friendship -----	Friendship -----	2
	St. Mary -----	3
Centenary -----	Beauty Spot -----	3
	Centenary -----	2
	St. James -----	3
Reedy Creek -----	Rains -----	1
Scotch -----	Melvin -----	2
	Nazerene -----	3
Penderboro -----	Penderboro -----	3
	Pleasant Grove -----	3
Nichols -----	Nichols -----	2
Millers -----	Oldfield -----	4
	Millers -----	3
Mullins -----	Mullins -----	2
Zion -----	Zion -----	3
Springbranch -----	Temperance Hill -----	2
	Meadow Branch -----	2
Britton's Neck -----	Nebo -----	4
Marion -----	Marion -----	5
Wahee -----	Singletary -----	4
	Pee Dee -----	3
	Springville -----	2
	Sellers -----	4

3. List of Different Programs Haldled Through Voluntary Leaders:

- (1) Farm Labor Program
- (2) Seeding Small Grains
- (3) Year-round Gardens
- (4) Growing hogs for home consumption and market.
- (5) Liming program



Farm Labor Program: The Farm Labor Program was discussed in two of the Leader's Training Meetings. In discussing this program it was pointed out to these leaders the shortage of our farm labor especially during harvesting time. It was a common agreement of leaders to encourage cooperative exchange of labor in their respective communities. Through this effort farmers were able to get their crops harvested. These leaders would contact the Agent whenever they knew of available labor in their community that was willing to go into other communities to work.

Small Grain Seeding: A special campaign was put on to encourage the increase acreage and yield per acre of small grain in Marion County. The leaders assisted the Agent in giving publicity to the following things in their various communities: early seeding, fertilizing at seeding time and spring top dressing. These leaders were very helpful in making contact with farmers who had machinery to harvest the grain crop.

Year-round Gardens: Garden work was emphasized in most all meetings of farm people. Leaders over a period of years have come to realize the necessity, convenience and saving of a year round garden. Through these leaders the Agent is able to see more and better gardens in every community in the county. A Garden Club organized in Smith Swamp community proved very helpful in promoting the planting of a greater variety of vegetables and a greater supply to meet the family needs. Mrs. Mamie Nelson planted 17 varieties of vegetables in her garden. A tour was conducted of members of the club with much interest being manifest and much benefit derived.

Growing Hogs for Home Consumption and Market: Publicity was given to farmers concerning growing hogs for home consumption and market through circular letters, discussions, farm visits and conferences with leaders. The leaders handled this program by keeping it before the people in their community and by giving cooperation to the 4-H Club Hog Show and Sale.

Liming Program: The campaign on securing lime was continued during 1947 through the Agent and the leaders.



PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

The Agent's work in Agricultural Economics and Farm Management in 1947 included Outlook Meetings, assisting farmers with general farm records, developing farm plans, developing farm and home plans and cooperation with farm credit agencies.

Outlook Meetings: One County-wide Outlook Meeting was attended in the Agricultural Building, at which time the Extension Agricultural Economist presented outlook information. Twenty-nine Negro farmers were present.

Following this meeting the Agent held five Community Outlook Information Meetings with a total attendance of 204 adult farmers and clubsters. Farmers in the county are still depending on Outlook Information through the Extension Service as a guide in arranging their farming operation.

General Farm Records: Seven farmers were assisted in general farm records; all of whom were F.S.A. buyers.

Cooperation With Farm Agencies: The County Agent cooperated with the Marion County Production Credit Association and the Farm Security Administration in their work of extending farm credit to farmers and clubsters.

Through the year the Agent advised farmers with reference to these sources of credit and aided the administration officers of the Production Credit and Farm Security Offices in selecting representative borrowers.

SUMMARY OF LOANS MADE BY PRODUCTION CREDIT AGENCIES

<u>NAME</u>	<u>ADDRESS</u>	<u>AMT. LOAN</u>	<u>DEMONSTRATION</u>
George Belin	Rt. 3, Marion, S. C.	\$138.00	1 Beef Steer
W. H. Kennedy	Rt. 2, Marion, S. C.	234.68	5 Hogs
A. M. Leonard	Rt 2, Mullins, S. C.	150.10	1 Beef Steer
TOTAL		\$522.78	

The Farm Security Administration has 80 Negro buyers and 100 borrowers in Marion County. During the year the Agent attended two meetings of Farm Security and one of the Production Credit Association. Agricultural information was furnished and farm visits made to help farmers work out home and farm plans. This work will be continued and enlarged to demonstrate that careful farm planning can aid farmers to put their farm on a sound basis and keep up with the changing trends of agriculture.



AGRICULTURAL ENGINEERING

SUMMARY SOIL CONSERVATION PRACTICES ESTABLISHED IN

MARION COUNTY DURING 1947

Permanent Pastures and Grazing Crops: The campaign for the establishment and improvement of permanent pastures in Marion County was continued during 1947. As a result the Agent was able to establish or improve 18 permanent pastures containing 84 acres. All of these pastures are seeded with Lespedeza, Dallas Grass and 9 with White Dutch Clover.

A soil sample of all pastures was sent to Clemson College for Analysis and the recommendations of the College were followed according to its lime and phosphate needs. Ten pastures were fertilized with a complete fertilizer. The increase in the amount of grazing was about 25 to 30%.

As a result of this work during the past four years, farmers, particularly those with livestock, are becoming more interested in Annual Grazing and Permanent Pastures.

A total of 11 farmers were assisted in establishing or improving 29.5 acres of pasture and annual grazing in 1947.

SUMMARY OF EDUCATIONAL WORK

	NUMBER	ATTENDANCE
1. Community Meetings -----	6	98
2. County Agent Assist Farm Planning -----	7	
3. Pasture Improvement -----	11	
4. Tons of Lime -----	46,500	

SUMMARY OF SOIL CONSERVATION WORK

The following table gives a summary of Extension Educational Activities and the summary of Soil Conservation Practices established in Marion County during the year:

SUMMARY PERMANENT PASTURES ESTABLISHED

NAME	ACRES	FERTILIZER	POUNDS PHOS.	TONS LIME	KIND OF SEED
E. C. Fore -----	8	2000#	600	16	White Dutch Clover, Lespedeza, Dallas Grass
Arthur Gerald ---	5	600#		4	Same as above
W. M. Livingston ---	2.5	400#		2	" " "
Marion McGaney --	2	350#	150		" " "
Claude Carmicheal	2	500#			" " "
L. R. Stevenson --	2.5	400#		3	" " "
TOTAL	22	4450	750	25	



The foregoing summary shows that six permanent pastures were established in the county during 1947 with a total of 22 acres, 4450 pounds of fertilizer, 750 pounds of phosphate and 25 tons of lime applied.

Lime, fertilizer and phosphate were applied to 62 acres of well established pastures of 2 and 3 years. Total number of established permanent pastures to date in the County is 84.

Future Developments: Plans are under way to seed additional permanent pastures of various varieties of pasture grasses.

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SUMMARY OF FARM BUILDING PLANS FURNISHED FARMERS

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BUILDING	NUMBER
Improve Home Grounds -----	7
Constructing Dwellings -----	4
Remodeling Dwellings -----	6
Installing Water System -----	9
Provided Needed Storage Space -----	20
Obtaining Electricity -----	2
Constructing of Farm Buildings -----	13
Selection of Farm Equipment -----	25
Remodeling Farm Buildings -----	8

---

Care and Repair of Farm Buildings: Assistance was given in improving 7 home grounds, constructing 4 dwellings, remodeling 6 dwellings, remodeling 8 farm buildings, installing 9 electric water systems, provided 20 needed storage spaces, obtained electricity for 2 farm families and 25 families given assistance in the selection of farm equipment.

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Rural Electrification: Work in connection with rural electrification program consisted of educational talks in meetings of farmers, personal advice to individuals in how to make proper contacts in order to secure electricity.



# AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work with each of the following major projects: corn, oats, cotton and hay. Summaries and results of demonstrations are listed according to the outline in Program Planning.

## Miscellaneous

Four meetings were held on fertilizer in different communities. At these meetings the Agent gave information on fertilizer and its relation to soils and crop production. These meetings were attended by 256 adults and 4-H Clubsters.

## Corn Production

During the 1947 campaign to increase the yield of corn per acre in Marion County was continued through the Farm Demonstration Club. Four meetings were held at which time corn production was discussed from experimental results gathered from experimental stations, and demonstrations carried on in the county.

The following points were stressed: good seed, proper fertilizer, spacing of rows and in drill, soil type and cultivation. All work in corn was done with the purpose of increasing yield per acre.

Corn Production Demonstrations: 12 farmers completed corn production demonstrations, showing the value of good seed, proper fertilizer, type of soil, cultivation, and spacing of rows and in the drill.

### SUMMARY OF CORN PRODUCTION DEMONSTRATIONS

NAME	ACRES	YIELD BU.	BU. PER ACRE	PRODUC. COST	COST PER BU.	VALUE CROP	PROFIT
N. H. General	3	154	51.3	\$54.50	\$.35	\$231.00	\$176.50
Andrew Williams	2	105	52.5	54.15	.42	157.50	103.35
Marion McGaney	3	146	46.6	50.80	.35	219.00	158.20
E. C. Fore	3	283	94.7	87.85	.34	324.50	236.65
J. R. Donnelly	3	237	79	84.10	.36	284.60	200.50
Clarence Reed	3	246	82	91.06	.38	297.24	206.18
Henry Boatwright	2	85	42.5	45.60	.53	127.50	81.90
Claude Carmicheal	3	219	73	88.40	.40	228.50	140.10
Willie Boatwright	3	213	71	96.10	.45	319.50	223.40
B. J. Stevenson	3	243	81	101.65	.42	364.50	262.85
Gaines Graves	1	40	40	18.00	.48	60.00	42.00
L. R. Stevenson	1	68	68	21.30	.31	102.00	80.70
TOTAL	30	2019	781.6	\$793.51	\$4.79	\$2715.84	\$1922.33

Average Production Bushels Per Acre ----- 67.3  
 Average Value Per Acre ----- \$90.52  
 Average Cost Per Bu. ----- \$ .44  
 County Average Bushels Per Acre ----- 17



Corn Crop Tours: Two educational Corn Tours were conducted during the year in the county with 17 farmers visiting corn demonstrations observing the following things: spacing in row and drill, fertilization practices, cultivation methods, type of soil and hybrid and open pollinated.

The summary on the preceeding page shows that these farmers produced an average of 67.3 bushels per acre following improved practices as compared with 17 bu. per acre for the county.

Oat Tour: One Oat Tour was conducted during the year. Eleven farmers visited farms in the county where oat demonstrations were being conducted, and 20 farmers visited Coker's Farm, Hartsville, S. C. On these tours farmers were given information on the latest development of Smuts and how to treat them, strains of oats, rate of seeding and fertilization before planting. More grain is being grown for livestock feed and farmers who made the tours saw excellent demonstrations of low priced feed that can be produced on practically any soil in the county if treated properly.

Oat Orodution: Five (5) demonstrations in the production of oats were completed. A summary of which is given below:

SUMMARY OF OAT PRODUCTION DEMONSTRATION								
NAME	VARIETY	ACRES	YIELD BU.	YIELD BU. PER A.	COST	COST PER BU.	VALUE	PROFIT
Joe Washington	F.G.	2	87	43.5	\$32.60	.38	\$95.70	\$63.10
El C. Fore	V. G.	3	197	64	64.15	.34	211.20	147.05
W. H. Kennedy	F.G.	2	124	62	54.40	.44	125.24	70.84
M. McGaney	F.G.	2	139	69	46.80	.34	112.20	65.40
Willie Boatwright	F.G.	2	92	46	36.20	.39	92.90	56.70
TOTAL		11	634	284.5	\$234.15	\$1.93	\$637.24	\$403.09

Average Yield Per Acre -----	57.7
Average Cost Per Acre -----	\$ 21.29
Cost Per Bu. -----	.30
Average Value Per Acre p-----	57.93
Average Profit Per Acre -----	36.64

These demonstrations show an average yield of 57.7 bushels per acre as a result of the use of certified seed, fertilizer and soil type.

Wheat Production: Extension work on home food and feed production with wheat consisted of giving publicity at three farmers' meetings and assisting four farmers in securing 24 bushels of certified seed. Much interest is being shown by farmers of the county in the production of wheat for home use and as a result the acres have been materially increased.



Soil Building Crops: The soil building work consisted of educational and demonstration work with small grains, Austrian Winter Peas, Rye and Vetch planted together. The agent has no summary of Soil Building Crops demonstrations, but at least 23 farmers have reported having realized a definite increase in yield where they used cover crop practices.

Due to the educational work with soil building crops, at least 75% of the farmers in Marion County are planting some kind of soil building crop. These farmers will plant small grain, Austrian Winter Peas and other legumes as soil building crops and secure lime and phosphate through the AAA office.

Lespedeza for Hay

During 1947 the campaign to encourage the farmers of Marion County to plant Kobe Lespedeza for hay was continued through farmers meetings, individual farm visits, and one circular letter. As a result 39 farmers purchased seed through the Agent's office totaling 2960 pounds. The Agent was able to save these farmers \$3.00 per hundred pounds; total amount saved by these farmers amounts to \$78.80.

Lespedeza for Hay Production Demonstration: Six Lespedeza for Hay Production demonstrations were completed in 1947. A summary of these demonstrations follows:

SUMMARY OF DEMONSTRATIONS OF LESPEDEZA FOR HAY PRODUCTION							
NAME	VARIETY	ACRES	YIELD TONS	COST PRODUC.	COST PER TON	VALUE CROP	PROFIT
Steve Nelson	Kobe	2	5.5	\$58.20	\$10.55	\$247.50	\$189.30
Commodore Williams	Kobe	1.5	3.1	37.38	12.06	139.50	102.12
Wm. Livingston	Kobe	3	6.2	79.36	12.80	279.00	199.64
W. H. Kennedy	Kobe	2	4	61.00	15.25	180.00	119.00
J. H. Finklea	Kobe	2	3.9	51.28	13.15	175.50	124.22
James King	Kobe	3	5.4	65.34	12.10	243.00	177.66
TOTAL		13.5	28.1	\$352.56	\$76.91	\$1264.50	\$911.94
AVERAGE YIELD	-----		2.1	-----	\$12.61		

The above summary shows that 6 farmers completed their Lespedeza for Hay demonstrations of 13.5 acres, with an average yield of 2.1 per acre at a cost of \$12.61 per ton and a net profit of \$67.55 per acre.

The cost records of these demonstrations include the price of seed, lime, man and mule labor involved in seeding, harvesting and handling crop. The hay was valued at \$45.00 per ton.

The interest in Lespedeza for Hay as a crop is still increasing in Marion County and more farmers are planning to plant Lespedeza for Hay in 1948.



Cotton Production

Four (4) farmers completed their cotton demonstrations in 1947, a summary of these demonstrations follows:

SUMMARY OF COTTON DEMONSTRATIONS						
NAME	ACRES	LBS. SEED COTTON	LBS. LINT COTTON	VALUE CROP	COST OF CROP	PROFIT
B. G. Stevenson	5	10,750	3563	\$1104.53	\$586.10	\$518.43
E. C. Fore	5	11,360	3786	1173.66	601.08	572.58
E. C. Brigman	5	9,910	3330	990.00	520.08	478.92
Tillman Sanders	2	2,428	807	242.10	108.40	133.70
TOTAL	17	34,348	11,486	\$3519.29	\$1815.66	\$1703.63

Average Lint Per Acre ----- 675 Lbs.  
 Average Seed Per Acre ----- 2020 Lbs.  
 Average Value Per Acre ----- \$207.02

The above summary shows that 4 farmers completed their demonstrations in 1947, with an average yield of lint per acre of 675 Lbs., seed cotton per acre 2020 lbs. and an average value of \$207.02 per acre.

Seed Purchased

Realizing the great need still existing for a better grade of planting seed in Marion County, the Agent assisted farmers to secure better seed through local farm meetings, field meetings and personal contact. A summary of the results follows:

SUMMARY OF SEED PURCHASED			
KIND OF SEED	NO. FARMERS PURCHASED	NO. POUNDS OR BUSHELS BOUGHT	YEAR FROM BREEDER
Lespedeza	39	3250	First
Dallis Grass	12	365	First
Oats	19	910	First
S. Potatoes	38	110,000 Plants	First
Corn	15	6	First
Wheat	4	15	First

Farmers of Marion County are realizing more and more that pedigreed and improved seed give them better quality and higher grade produce.

Tobacco Demonstrations

The Extension Program with tobacco was directed toward the production of higher yields of quality tobacco, which included demonstrations of plant production.

Tobacco Bed Demonstrations: The new straw type bed was recommended this year, and is becoming very popular with tobacco growers. Five demonstrations of this type bed were conducted with growers who had been using the old type. All reported good results, but the Agent does not have a summary of the results of this work.



# ANIMAL HUSBANDRY

Animal Husbandry in 1947 consisted of educational and demonstration work with swine, beef calves and cows, dairy cattle and marketing.

## Swine

The program of demonstrations work with hogs in 1947 included placing of 4 grade boars, 17 gilts and castrating, deworming and feeding demonstrations.

### RECORD OF GRADE BOARS PLACED IN 1947

NAME	NO. BOARS	BREED	AGE	COST
Arthur Gerald	1	Duroc Jersey	16 Mo.	\$55.00
M. N. Livingston	1	Poland China	9 Mo.	35.00
Trob Rowell	1	Poland China	6 Mo/	20.00
Hoyt Williamson	1	Duroc Jersey	10 Mo.	37.00
TOTAL	4			\$147.00

### RECORD OF GRADE GILTS PLACED IN 1947

NAME	NO. GILTS	BREED	AGE	COST
Hoyt Williamson	2	Duroc Jersey	7 Mo.	\$38.00
Steve Nelson	3	Duroc Jersey	5 Mo.	41.00
Henry Boatwright	5	Poland China	10 Mo.	95.00
J. R. Smith	3	Poland China	8 Mo.	57.50
Marion McGaney	2	Duroc Jersey	6 Mo.	40.00
Wm. Graves	2	Duroc Jersey	5 Mo.	37.00
TOTAL	17			\$308.50

The above summaries show that 4 grade boars were placed with 4 farmers costing \$137.00 and 17 grade gilts were placed with 6 farmers costing \$308.50.

### SUMMARY OF HOG FEEDING DEMONSTRATIONS

NAME	NO. ANIMALS	DAYS FED	GAIN IN WEIGHT	TOTAL VALUE	TOTAL COST	PROFIT
E. C. Fore	10	51	612	\$327.50	\$192.10	\$135.40
Arthur Gerald	9	47	523	388.67	180.15	208.52
Willie Boatwright	6	63	480	302.50	190.17	112.33
TOTAL	25	161	1515	\$1018.67	\$562.42	\$456.25

Average Daily Gain ----- 1 Pound

The above summary shows that three farmers completed their hog feeding demonstration with an average gain of one pound at a cost of \$562.42.



Marketing in 1947

The Agent assisted farmers in marketing hogs and cattle locally when found necessary.

Meat Cutting, Curing, Storing and Canning

Five (5) meat cutting and two (2) curing, two (2) storing and five (5) canning demonstrations were held during 1947 in 5 different communities with an attendance of 55 clubsters and adult farmers present. Farmers are being encouraged to store and cure meat properly.

SUMMARY OF ANNUAL MEAT CUTTING, CURING, STORING AND CANNING IN 1947

NAME	NO. ANIMALS	NO. ATTENDING	LBS. CUT	LBS. CURED	LBS. STORED	CANNED
Steve Nelson	1	15	156			128
M. N. Livingston	1	12	140			140
Lang Grant	4	9	1210	1106	1106	
Mamie Nelson	1	10	260	200	200	42
Gary Emanuel	1	9	115			100
TOTAL	8	55	1781	1306	1306	410

The above summary shows that the Agent gave five (5) meat cutting, two (2) meat curing, two (2) meat storing, and four (4) meat canning demonstrations during the year with a total attendance of 55 adult farmers and clubsters. 1781 pounds of meat were cut, 1306 pounds cured, 1306 pounds stored and 410 pounds canned.

BEEF CATTLE

Beef cattle work for 1947 consisted of placing two (2) pure bred bulls, one grade bull and 20 beef calves with farmers and 4-H clubsters. These beef calves were placed with 4-H Clubsters, fed under the agent's supervision and exhibited at the Pee Dee Fat Stock Show in Florence, S. C. in April. Two purebred bulls and one grade bull were placed with 3 farmers in the county. These animals were purchased individually upon the advice of the Agent. One (1) grade heifer and three (3) pure bred heifers were placed with two farmers.

SUMMARY OF PURE BRED BULLS PLACED

NAME	NO. PLACED	BREED	AGE	COST
E. C. Fore	1	Herefore	3 Yrs.	\$350.00
D. T. Taylor	1	Herefore	2½ Yrs.	210.00
TOTAL	2			\$560.00



SUMMARY OF GRADE BULLS PLACED

NAME	NO. PLACED	BREED	AGE	COST
M. N. Livingston	1	Hereford	18 Mo.	\$125.00
TOTAL	1			\$125.00

The foregoing summaries show that two purebred bulls were placed with two farmers at a cost of \$560.00 and one grade bull was placed with one farmer at a cost of \$125.00. These bulls were placed for the purpose of improving the beef herd.

SUMMARY OF PURE BRED HEIFERS PLACED IN 1947

NAME	NO. PLACED	BREED	AGE	COST
E. C. Fore	2	Hereford	27 Mo.	\$330.30
E. C. Fore	3	Hereford	18 Mo.	310.00
E. C. Fore	4	Hereford	11 Mo.	250.00
TOTAL	9			\$890.30

SUMMARY OF GRADE HEIFERS PLACED IN 1947

NAME	NO. PLACED	BREED	AGE	COST
D. T. Taylor	3	Hereford	13 Mo.	\$180.00

The above summaries show that 9 pure-bred heifers at a cost of \$890.00 and three (3) grade heifers at a cost of \$180.00 were placed with two farmers of the county.

SUMMARY OF 4-H CLUBSTERS BEEF CALVES PLACED IN 1947

NO. ANIMALS	DAYS FED	GAIN IN WEIGHT	TOTAL VALUE	TOTAL COST	PROFIT
20	3,732	5,776	\$3,571.93	\$2,880.82	\$691.11

The above summary shows that 20 beef steers were fed a total of 3,732 days with a total gain in weight of 5,776 pounds, total value of \$3,571.93, total cost \$2,880.82, with a profit of \$691.11.

DAIRY CATTLE

SUMMARY OF PURE-BRED BULLS PLACED IN 1947

NAME	NO. PLACED	BREED	AGE	COST
B. N. Hodge	1	Guernsey	15 Mo.	\$150.00

SUMMARY OF PURE-BRED HEIFERS PLACED IN 1947

NAME	NO. PLACED	BREED	AGE	COST
Frank Simmons	2	Jersey	4 Wks.	\$15.00
Cleo Williams	1	Jersey	9 Mos.	\$45.00
TOTAL	3			\$60.00

The above summaries show that one pure-bred bull was placed with one farmer at a cost of \$150.00 and three pure-bred heifers with two farmers at a cost of \$60.00.

Extension work in dairying for 1947 also included educational work in assisting farmers to sell scrub cows and purchase grade cows. Emphasis was placed on the need of more milk for home use, proper care of cows and utensils. This information was given whenever the opportunity presented itself in every community. The Agent assisted farmers in selecting 12 grade cows but does not have a complete record of these cows.

Miscellaneous: During the year the Agent assisted farmers of the county in finding and marketing local cattle, gave 6 demonstrations in dehorning and 3 in spraying cattle with DDT against horn flies. A total of 39 farmers and clubsters were present at these demonstrations.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in Entomology and Plant Pathology in 1947 was composed of work with crop diseases, crop insects and cattle pest.

Cattle Louse and Grub Control: Adult farmers and 4-H Club steers are still having trouble with cattle louse and grubs in their cattle. The Agent assisted them in securing PY-RO and gave demonstrations in treating the cattle for louse and grubs. Good results were reported.

The Agent followed the usual practice of keeping farmers informed as to the control of insects on tomatoes, cabbage, collards, beans and fruits. Five (5) ~~demonstrations~~ were given in the use of Sabodilla Dust for collards with favorable results.



FOUR-H CLUB WORK

Boys and girls 4-H Club work was conducted in 13 communities in Marion County in 1947, with an enrollment of 309 farm boys and girls. Each club is in charge of a local leader and regular monthly meetings are held with each club.

SUMMARY OF ENROLLMENT AND COMPLETIONS

The following is a list of the clubs and a summary of enrollment and completions:

NAME OF CLUB	NO. MEMBERS ENROLLED	NO. COMPLETED DEMONSTRATIONS	PER CENT MEMBERS COMPLETING DEM.
Melvin -----	17	9	53
St. James -----	24	17	70
Gresham -----	34	20	58
Smith Swamp -----	20	13	65
Pee Dee -----	23	10	44
Beauty Spot -----	35	18	51
Singletary -----	24	16	70
St. Mary -----	20	12	60
Nazerene -----	20	14	70
Oldfield -----	27	15	55
Pleasant Grove -----	22	15	69
St. Paul -----	17	8	51
Meadow Branch -----	26	10	40
TOTAL	309	177	57%

The following is a summary of 4-H enrollment of boys and girls and yearly completions from 1939 through 1947 with the exception of 1942:

SUMMARY OF 4-H ENROLLMENT AND COMPLETIONS FROM 1939 to 1947

YEAR	ENROLLMENT	COMPLETIONS	PER CENT COMP.
1939 -----	241	141	60
1940 -----	274	111	41
1941 -----	276	129	47
1942 -----			
1943 -----	265	160	60
1944 -----	315	255	71
1945 -----	246	210	85
1946 -----	306	181	59
1947 -----	309	177	57



The following demonstrations were completed in 1947 through local leaders, club leaders, club meetings, projects, office and farm visits, circular and personal letters.

SUMMARY OF COMPLETED DEMONSTRATIONS IN 1947				
DEMONSTRATION	NUMBER COMPLETED	VALUE OF PRODUCTION	PRODUCTION COST	PROFIT
Corn	34	\$2,560.00	\$1,111.85	\$1,448.15
Poultry	29	1,682.95	958.78	724.17
Pig (F)	32	2,591.97	1,211.45	1,380.52
Pig (S&L)	3	255.00	114.10	140.90
Calf (B)	20	3,571.93	2,880.82	691.11
Calf (D)	8	519.70	245.60	274.10
Potatoes	11	1,149.50	492.28	657.22
Garden	40	1,405.45	614.74	790.71
TOTAL	177	\$13,736.50	\$7,629.62	\$6,106.88

This summary shows that 4-H Clubsters of Marion County completed 177 demonstrations, producing farm products to the value of \$13,736.50 at a cost of \$7,629.62, leaving a profit of \$6,106.88.

The following is a summary of 4-H Club Records completed during 1947. These records have been submitted to the District Agent.

SUMMARY OF 4-H CORN RECORDS						
NO. CLUBSTERS ENROLLED	NO. COMPLETING	NO. ACRES	YIELD BU.	TOTAL VALUE	TOTAL COST	PROFIT
75	34	33	1645	\$2,560.00	\$1,111.85	\$1,448.15

The above summary shows that 75 clubsters enrolled and 34 completed their corn project on 33 acres, producing 1645 bu. with a total value of \$2,560.00, cost \$1,111.85, profit \$1448.15.

SUMMARY OF 4-H POULTRY RECORD					
NO. CLUBSTERS ENROLLED	NO. COMPLETING	NO. HEAD	TOTAL VALUE	TOTAL COST	PROFIT
53	29	1,914	\$1,682.95	\$958.78	\$724.17

The above summary shows that 53 clubsters enrolled and 29 completed their poultry demonstrations with a total of 1,914 chicks raised, total value of \$1,682.95, total cost \$958.78, profit \$724.17.



SUMMARY OF 4-H PIG (F) RECORD

NO. CLUBSTERS ENROLLED	NO. COMPLETIONS	DAYS FED	NO. HEAD	GAIN IN WEIGHT	TOTAL VALUE	TOTAL COST	PROFIT
35	32	2,365	63	6,044	\$2,591.97	\$1211.45	\$1380.52

The above summary shows that 35 clubsters enrolled and 32 completed their demonstrations, with a total of 63 animals fed. They spent 2,365 days caring for these animals, with a gain in weight of 6,044 pounds, total value of \$2,591.97, cost \$1211.45, profit \$1,380.52.

SUMMARY OF PIG (S&L) RECORD

NO. CLUBSTERS ENROLLED	NO. COMPLETED	NO. PIGS FARROWED	NO. PIGS RAISED	VALUE	COST	PROFIT
8	3	26	17	\$255.00	\$114.10	\$140.90

The above summary shows that eight clubsters enrolled and 3 completed their demonstration with a total of 17 pigs raised and 26 farrowed. Total value \$255.00, total cost \$114.10, profit \$140.90.

SUMMARY OF 4-H CLUB GARDEN RECORD

NO. CLUBSTERS ENROLLED	COMPLETED	ACRES	YIELD BU.	VALUE	COST	PROFIT
90	40	26.5	689	\$1405.45	\$614.74	\$790.71

The above summary shows that 90 clubsters enrolled and 40 completed their garden project on 26.5 acres. 689 bu. were produced with a total value of \$1405.45, total cost \$614.74, profit \$790.71.

SUMMARY OF 4-H DAIRY CALF RECORD

NO. CLUBSTERS ENROLLED	NO. COMPLETED	DAYS ANIMALS FED	GAIN IN WEIGHT	TOTAL VALUE	TOTAL COST	PROFIT
8	8	9	1670	1409 Lbs. \$519.70	\$245.60	\$274.10

The above summary shows that 8 clubsters enrolled and 8 completed their dairy calf demonstrations with a total of 9 animals. They spent 1670 days caring for these animals with a gain in weight of 1409 pounds; total value \$519.70, total cost \$245.60, profit \$274.10.

SUMMARY OF 4-H POTATO RECORDS

NO. CLUBSTERS ENROLLED	NO. COMPLETED	YIELD ACRES	TOTAL BU.	VALUE	TOTAL COST	PROFIT
32	11	7	700	\$1,149.50	\$492.28	\$657.22

The above summary shows that 32 clubsters enrolled and 11 completed their potato projects on 7 acres; producing 700 bushels of potatoes with a total value of \$1,149.50, total cost of \$492.28, profit \$657.22.



SUMMARY 4-H BEEF CALF RECORDS

NO. CLUBSTERS ENROLLED	NO. COMPLETED	ANIMALS	DAYS FED	GAIN WEIGHT	TOTAL VALUE	TOTAL COST	PROFIT
20	20	20	3732	5776	\$3571.93	\$2880.82	\$691.11

Average Days Fed ----- 186

Average Daily Gain ----- 1.6 Lbs.

The above summary shows that 20 clubsters enrolled and 20 completed their beef calf demonstrations with 20 animals being fed 3732 days, gaining an average of 1.6 pounds per day. Total value \$3,571.93, total cost \$2,880.82, profit \$691.11.

LIST OF 4-H CLUBSTERS FEEDING STEERS

NAME	NUMBER	ADDRESS
Eugene Conner	1	Rt. 1 Marion, S. C.
Benedict Stevenson	1	Rt. 3 Marion, S. C.
George Belin	1	Rt. 3 Marion, S. C.
Oscar Cross	1	Rt. 1 Marion, S. C.
Patricia Fore	2	Rt. 1 Latta, S. C.
Clarence Reed, Jr.	2	Rt. 3 Marion, S. C.

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These Clubsters will receive training in feeding, care, record keeping and marketing.

FOUR-H CLUB CAMP

A total of 7 boys and 6 girls and 4 leaders attended the Conservation Camp at Orangeburg, S. C. the week of August 4, 1947. The Camp was well organized and proved an educational and recreational occasion for all.

On August 12-14, 1947 seventeen (17) 4-H boys and girls had a very enjoyable camp trip at McKenzie Beach.

FOUR-H CLUB LEADERS' CONFERENCE

Four County-wide 4-H Club Leader's Conferences were held during 1947 with an attendance of 204 leaders and clubsters.

FOUR-H CLUB TOURS

One 4-H Club tour was made in the County with 20 club boys taking part in the State Corn Contest demonstrations.



## FOUR-H CLUB ACHIEVEMENT DAYS

One 4-H Club Achievement Day was held in 1947 at the Marion County Training School. At this meeting Clubsters presented a program to the public demonstrating what they had achieved during the year. Prizes were presented for outstanding work done by clubsters and others who had done good work received honorable mention.

### HORTICULTURE

Extension work in Horticulture in Marion County for 1947 included demonstrations and educational work with sweet potatoes, home gardens and home orchards.

#### Home Gardens

Information on Home gardens was presented to the farmers of Marion County in three Circular Letters and in 12 farmers meetings. The circular letters were issued by the Extension Service. Constant visits were made during the year to garden club families and timely information and advice was given with regards to varieties, planting dates, type of soil, saving seed, and insect control.

#### Sweet Potatoes

Information on sweet potatoes was presented to farmers of Marion County in two Circular Letters furnished by the Extension Service and six(6) meetings were held. Farmers were assisted in securing 162,000 potato plants. Two sweet potato harvesting and packing demonstrations were held in two communities with an attendance of 21 farmers. Three farmers were assisted in arranging their tobacco barns into sweet potato curing houses where 1050 bushels of potatoes were cured out with good results. The Agent kept close check on these barns along with the farmers. Four families in each community used these barns to cure their potatoes.

Fire-heated Hotbeds: As a result of educational work in using fire heated hotbeds a total of ten (10) were used to grow early plants in the County. Five were given individual assistance in repairing and building fire-heated hotbeds.

Home Orchards: Home orchard work for the year consisted of placing cooperatively 1200 fruit trees of different kinds and varieties with 27 farm families. Nine (9) pruning demonstrations and 10 spraying demonstrations were given in 7 communities.

### MARKETING

Marketing Surplus Farm Products: The Agent cooperated with farmers of the County through the year in marketing surplus farm products for which no regularly established local market existed, and in purchasing of material, seed and supplies in a cooperative way.



SUMMARY OF MARKETING IN 1947

PRODUCTS	QUANTITY	BOUGHT	SOLD
Hogs	79	\$518.60	\$3569.52
Beef Steers	20	\$2315.00	3571.93
Sweet Potato Plants	162,000		243.00
Corn Seed	15 Bu.	75.00	
Oat Seed	910 Lbs.	250.00	
Lespedeza	3250 Lbs.	552.50	
Dallis Grass	395 Lbs.	185.00	
Beef Bulls	3	685.00	
Beef Heifers	15	1070.30	
Dairy Bull	1	150.00	
Fruit Trees	1200	600.00	
TOTAL PRODUCTS BOUGHT AND SOLD		\$6401.40	\$7384.45

The above summary represents commodities which the Agent was definitely instrumental in finding growers, markets and supervised marketing.

POULTRY

Extension work with poultry in Marion County consisted of assisting farmers in securing baby chicks from reliable hatcheries, vaccination and culling demonstrations.

Vaccination Demonstrations of Poultry: Two poultry vaccinations demonstrations for sore head were given in 1947.

Culling Demonstrations: Three culling demonstrations were given during the year with a total of 71 chicks, and an attendance of 30 farm women.

VISUAL INSTRUCTION

Visual Instruction for 1947 consisted of the use of charts and posters at 12 meetings with an attendance of 311 farmers and clubsters.

PUBLICITY

Publicity work and the distribution of educational information in connection with the 1947 Extension Program in Marion County was done through circular letters, press articles, the distribution of bulletins and Farm Tours. A summary of which follows:

SUMMARY OF PUBLICITY WORK

Individual Letters	543
Circular Letters	27
Copies Mailed	2887
Press Articles	22
Bulletins Distributed	468
Farm Tours	2
Attendance	31



Circular Letters: A total of 27 circular letters were prepared and 2887 copies mailed to farmers and clubsters of Marion County in 1947. These letters contained information on timely agricultural matters, and notices of meetings.

Press Articles: A total of 27 press articles of timely agricultural interest were published in Marion County newspapers during the year.

Bulletins Distributed: A total of 488 bulletins were distributed to farmers and 4-H Clubsters during the year.

Farm Tours: Two farm tours were held in the county this year with an attendance of 31 farmers.